

26/11/2004

10723679

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1626KAS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
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NEWS 4 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 5 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 6 SEP 27 STANDARDS will no longer be available on STN
NEWS 7 SEP 27 SWETSCAN will no longer be available on STN
NEWS 8 OCT 28 KOREAPAT now available on STN
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:19:36 ON 26 NOV 2004

=> E REG

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

The EXPAND command is used to look at the index in a file
which has an index. This file does not have an index.

=> FILE REG

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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FILE 'REGISTRY' ENTERED AT 20:19:45 ON 26 NOV 2004
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 NOV 2004 HIGHEST RN 788132-72-9
DICTIONARY FILE UPDATES: 24 NOV 2004 HIGHEST RN 788132-72-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

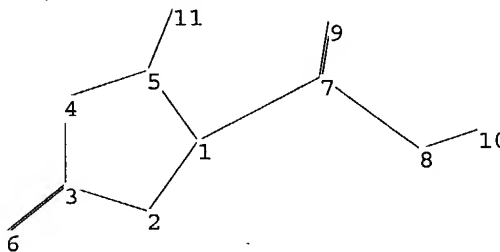
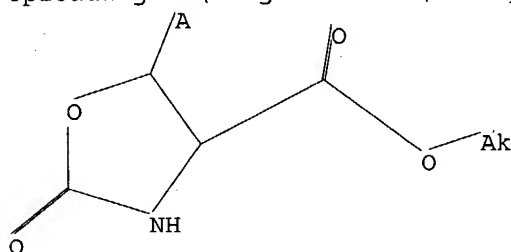
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10723679.str



chain nodes :

6 7 8 9 10 11

ring nodes :

1 2 3 4 5

chain bonds :

1-7 3-6 5-11 7-8 7-9 8-10

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 2-3 3-6 5-11 7-8 7-9 8-10

exact bonds :

1-5 1-7 3-4 4-5

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS

26/11/2004

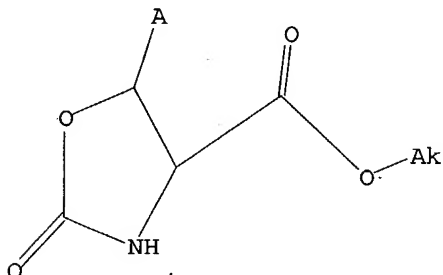
10723679

L1 STRUCTURE UPLOADED

=> D

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1 FULL

FULL SEARCH INITIATED 20:20:10 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2934 TO ITERATE

100.0% PROCESSED 2934 ITERATIONS

79 ANSWERS

SEARCH TIME: 00.00.01

L2 79 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 20:20:18 ON 26 NOV 2004

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FILE COVERS 1907 - 26 Nov 2004 VOL 141 ISS 23

FILE LAST UPDATED: 25 Nov 2004 (20041125/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L2 AND (THIONYL(L)CHLORIDE)

62 L2

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13442 THIONYL

2 THIONYLS

13444 THIONYL

(THIONYL OR THIONYLS)

1010638 CHLORIDE

150630 CHLORIDES

1079324 CHLORIDE

(CHLORIDE OR CHLORIDES)

12725 THIONYL(L)CHLORIDE

L3

1 L2 AND (THIONYL(L)CHLORIDE)

=> D IBIB ABS HITSTR TOT

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001167979 CAPLUS

DOCUMENT NUMBER: 134:193739

TITLE: Processes for the preparation of 2-oxooxazoline or

alloamino acid derivatives

INVENTOR(S): Kobayashi, Makoto; Nagai, Masahiko; Koike, Haruo

PATENT ASSIGNEE(S): Shionogi & Co., Ltd., Japan

SOURCE: PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001016117	A1	20010308	WO 2000-JP5753	20000825
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LJ, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, ME, SN, TD, TG			
CA 2383300	AA	20010308	CA 2000-2383300	20000825
EP 1213284	A1	20020612	EP 2000-955029	20000825
EP 1213284	B1	20041013		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
CN 1483720	A	20040324	CN 2003-152639	20000825
AT 279436	E	20041015	AT 2000-955029	20000825
US 6541641	B1	20030401	US 2002-70974	20020619
US 2003055264	A1	20030320	US 2002-229819	20020827
US 6747157	B2	20040608		
US 2004077876	A1	20040422	US 2003-723679	20031125
US 2004106820	A1	20040603	US 2003-723136	20031125
PRIORITY APPLN. INFO.:			JP 1999-242647	A 19990830
			WO 2000-JP5753	W 20000825
			US 2002-70974	A3 20020619
			US 2002-229819	A3 20020827

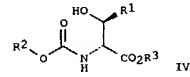
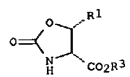
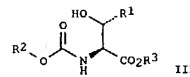
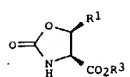
OTHER SOURCE(S):

CASREACT 134:193739; MARPAT 134:193739

GI

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

(Continued)



AB A process for the preparation of compds. of general formula (I) or (II) (wherein R1 is optionally substituted lower alkyl, aryl, alkynyl, or heteroaryl; R2 is lower alkyl, optionally substituted alkyl, or heteroarylalkyl; and R3 is lower alkyl) comprises treating a compound of general formula (III) or (IV) with thionyl chloride for cyclization and epimerization. This process stereoselectively and economically gives 2-oxooxazoline or alloamino acid derivs. The compds.

I and II are important intermediates for TRH (TSH releasing hormone) derivs. Thus, 50.0 g N-benzyloxycarbonyl-L-threonine Me ester (preparation given) and 24.48 g SOCl₂ were added to 250 mL toluene, stirred at 80° for 8 h, cooled to room temperature, and extracted with 150 mL H₂O, followed by washing the aqueous layer with 25 mL toluene and reextg. each toluene layer with 50 mL H₂O. The combined aqueous layer was treated with 18.94 g 36% HCl and stirred at 80° for 1 h, followed by distilling off water, adding 100 mL water, and then concentrating the mixture. To the concentrate residue was added 200 mL MeCN and then concentrated, followed by repeating the same procedure two more times and adding MeCN to a total volume of approx. 50 mL. The obtained slurry was stirred at 0±5° for 1 h and the precipitated crystals were collected by filtration, and dried to give 17.4% I (R1 = me, R3 = H) (64% yield). The latter compound (3.00 g) was treated with 10.5 g 36% HCl and refluxed for 15 h, followed by distilling off water, adding 10 mL water, and concentrating the mixture to an oil. The obtained oil was dissolved in 10 mL water and adjusted at pH 6.0 by adding aqueous LiOH, followed by distilling off water. To the obtained solid was added 8 mL MeOH and stirred at room temperature for 1 h, and filtered to give, after drying, 2.25 g L-allo-Threonine (91% yield).

IT 102267-22-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

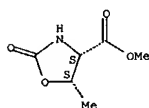
L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

(Reactant or reagent)
(prepn. of oxooxazoline or alloamino acid derivs. by cyclization and epimerization of N-benzyloxycarbonylthreonine with thionyl chloride to oxooxazoline deriv. followed by esterification or hydrolysis)

RN 182267-22-7 CAPLUS

CN 4-Oxazolidinecarboxylic acid, 5-methyl-2-oxo-, methyl ester, (4S,5S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

26/11/2004

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=> LOGOFF

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
9.72	165.35

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.70	-0.70

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STN INTERNATIONAL LOGOFF AT 20:21:56 ON 26 NOV 2004